

Appendix G.

Supplemental Pacific Halibut License Survey

TABLE OF CONTENTS

BACKGROUND.....	3
REQUIREMENTS.....	3
1.0 Telephone Survey	3
1.1 Telephone Interview Procedures	4
1.2 Telephone Household Survey Data	5
1.3 Telephone Interviewer Training and Supervision.....	5
1.4 Reporting Requirements	5
2.0 Data Transmittal	6
3.0 Confidentiality.....	6
SECTION B - PERIOD OF PERFORMANCE	6
ATTACHMENT G.A. TELEPHONE SURVEY INSTRUMENT	7
ATTACHMENT G.B. TELEPHONE SURVEY DISPOSITIONS	10

BACKGROUND

The purpose of this sampling effort is to collect data to estimate fishing effort and catch of Pacific halibut from the Puget Sound in Washington State. The sample frame is a subset of the fishing population as defined by a permit system in the State of Washington. The State requires that all anglers fishing for Pacific halibut in the Puget Sound obtain a permit¹ in addition to a state fishing license. The halibut permit is free, therefore most licensed anglers obtain the permit at the same time that the annual license is renewed. Included on the permit application is a requirement for the name, address and telephone number of the applicant. Washington Department of Fish and Wildlife (WDFW) provides the National Marine Fisheries Service (NMFS) with a random sample of permit applications for use in selecting fishing households.

REQUIREMENTS

1.0 Telephone Survey

The telephone survey questionnaire (Attachment A) shall be administered to a random sample of anglers that possess a valid Pacific halibut permit. A minimum of 1,000 anglers who are residents of coastal counties (Table 1) and 100 anglers who are non-coastal or out-of-state residents shall be included in the sample. Previous surveys indicated that about 10 percent of all marine anglers intercepted in Washington resided outside the coastal county dialing area. This figure is based on previous surveys and is intended to provide an indication of the total sample size needed to obtain the base 1,100 interviews. The actual participation distribution for the 1999 sampling period may differ from the historical estimates. Because multiple permit holders may have the same residence, only the initial contact within a household will be used. Any subsequent anglers that share the same phone number shall be excluded from the sample.

Table 1. List of Coastal Counties in the State of Washington

Clallam	Grays Harbor				
Island	Jefferson	King	Kitsap	Mason	Pacific
Pierce	San Juan				
Skagit	Snohomish	Thurston		Whatcomb	

The NMFS will obtain a sample of at least 2,000 completed permit application forms from the WDFW and provide the sample to the Contractor. This initial draw has been shown to be necessary to actually reach 1,100 anglers, due to people moving, non-published numbers, wrong numbers, etc. Most application forms contain names, addresses and telephone numbers of the applicants. Where the application form does not contain a telephone number, the Contractor shall

¹ The term permit is synonymous with the terms catch record card and punch card.

attempt to determine the telephone number of the applicant. Valid means of obtaining this information include, but are not limited to local telephone directories and directory assistance. The Contractor shall sub-sample the forms so that a minimum of 1,000 residents of the coastal counties are included in the telephone survey. The sampling design is based on sampling without replacement (i.e. permit holders may be contacted only once during the sampling period). The Contractor shall take such measures as are necessary to ensure that telephone survey respondents are contacted only once during the survey period. No minor (i.e., angler under 16 years old) should be interviewed without prior parental consent.

1.1 Telephone Interview Procedures

All calls shall be made by experienced telephone interviewers, trained and supervised by the Contractor. A minimum of 5 calls to each permit holder in the sub-sample shall be attempted to complete the telephone survey questionnaire. All telephone interviews shall be completed in a 2 week calling period conducted within a month of receipt of the sampling frame. Interviews shall be conducted between 9:00am and 9:30pm local time. The following procedures shall be used in obtaining finfishing trip information:

- I. Individuals shall be screened to determine that the permit holder is being interviewed and whether the permit holder has gone recreational finfishing in Puget Sound during the most recent Puget Sound Pacific halibut season. If the individual being interviewed has gone marine recreational finfishing during the most recent Puget Sound Pacific halibut season then he/she is an eligible respondent.

The WDFW has been conducting surveys to estimate the salmon catch in Puget Sound for many years. Therefore to avoid duplication of effort, any trip that targeted any species of salmon (*Oncorhynchus spp.*) shall not be recorded.

- II. Each eligible angler shall be asked to recall their fishing trip dates, modes, and areas of fishing, beginning with the most recent trip and working backwards to the beginning of the season.
- III. If the angler cannot recall all the trips within the sampling period, the interviewer shall note the date they stopped counting. The angler shall be asked to estimate the number of trips and mode of fishing during the period between their last reported trip and the beginning of the season. If the angler cannot recall the exact date of a fishing trip the angler shall be asked to estimate whether the trip was taken on a weekend or weekday and the month of the trip.
- IV. For each reported fishing trip, the angler shall be asked a series of questions regarding fishing mode, fishing area, targeted species and the number of fish caught for a limited number of species (Pacific halibut, lingcod, black rockfish, other rockfish).

22. If the angler wishes to discontinue the interview before all

the trips have been profiled, the angler shall be asked how many halibut were caught and how many were kept on the remaining trips.

1.2 Telephone Household Survey Data

Information to be obtained from each permit holder contacted includes, but is not limited to the following (see example questionnaire in attachment G.A):

- I. The number of people in the household that went finfishing during the sample period.
- II. The number of finfishing trips taken by the permit holder during the most recent Puget Sound Pacific halibut season.
- III. The targeted species for each fishing trip.
- IV. The date, fishing mode, fishing area and fishing site for each fishing trip.
- V. The number of fish by species caught on each trip. Anglers will be asked to recall only the number of fish caught and the number of fish kept for the following species: Pacific halibut, lingcod, black rockfish, and other rockfish.

1.3 Telephone Interviewer Training and Supervision

Training and supervision requirements are provided for in the Statement of Work for the 1999 contract and are incorporated in this Statement of Work by reference.

1.4 Reporting Requirements

A report shall be prepared following completion of the pilot telephone survey of permit holders. The report shall include, but not necessarily be limited to the following:

- I. A complete accounting of all calls made (by residency classification, i.e. coastal county resident, non-coastal county resident, non-resident) by disposition as shown below.
 - A. Invalid phone number (businesses, institutions, permittee not at this number etc.)
 - B. Status not determined:
 1. Refusals
 2. No answer/busy
 - C. Anglers
 1. Number of permit holders who fished during the most recent Puget Sound Pacific halibut season
 2. Number of permit holders who did not fish during the most recent Puget Sound Pacific halibut season

3. Number of marine recreational anglers in permittee's household
4. Number of eligible permit holders (1 or more marine recreational fishing trips in Puget Sound during the most recent Pacific halibut season)
 - a. complete interview
 - b. incomplete interview by reason of:
 - (1) refusal
 - (2) Other (such as language barrier)

2.0 Data Transmittal

The Contractor shall transfer through computer network, or place on agreed upon magnetic media, all data collected from the pilot telephone survey. Data shall be provided to NMFS within 14 days following completion of the data collection period. Data base format shall be provided to the Contractor by NMFS. Every variable recorded shall be checked for data entry errors, range, logic and reasonableness. Examples of edit checks include, but are not limited to the following: duplicate identification numbers, correct state/county/site codes, and reasonableness of reported fishing activity and catch. If upon review by WDFW, NMFS or the Contractor, records appear to be unreasonable, the Contractor may be required to re-contact the permit holder to verify that the information was correctly recorded during the interview.

3.0 Confidentiality

The data collected shall be used only for statistical purposes, and will be available in identifiable form only to NMFS and its Contractors except as otherwise required by law. All requirements of the Privacy Act of 1974 (P.L. 93-579) concerning the collection and use of identifiable information for individuals shall be observed. All copies of the application forms shall be returned to the NMFS or destroyed at the COTR's direction upon completion of the survey.

SECTION B - PERIOD OF PERFORMANCE

The work shall commence upon completion of change order to existing contract and continue through October 31, 1999. Interviews with permit holders shall commence within 2 weeks of receipt of the sample frame. Data shall be delivered to NMFS in the prescribed format within 45 days of receipt of the sample frame. The final report covering aspects of the pilot study included in the Statement of Work shall be delivered to NMFS by October 31, 1999.

Attachment G.A
Pacific Halibut Telephone Survey Instrument

Hello, this is _____. May I speak with \:FIRST: \:LAST:? I'm calling long distance for a survey being conducted for the National Marine Fisheries Service of the U.S. Department of Commerce. \:FIRST: \:LAST:'s name has been selected at random from among those people who have received a permit from the Washington Department of Fish and Wildlife to fish for Pacific halibut during \:YEAR:.

Hello Mr./Ms. \:LAST:. I'm calling long distance for a survey for the National Marine Fisheries Service. Your name has been selected at random from among all people who have been issued permits by the Washington Department of Fish and Wildlife to fish for Pacific halibut during \:YEAR:.

This survey is interested only in halibut fishing activity in those waters of Puget Sound East of the Seiku (pronounced C-K-U) River. We are interested in those trips when you went after halibut, whether or not you actually caught any.

{ Q1A:

First of all, to help me assign your information to the correct location, what state do you live in?

' FOR WA RESIDENTS ONLY

(Q1B:

And in what county do you live?

{ Q2:

Including yourself, how many people who live in your household went fishing for halibut in Puget Sound at any time between \:SEASON START\ and \:SEASON END\?

{ Q3A:

Did you personally go halibut fishing in Puget Sound at any time between \:SEASON START\ and \:SEASON END\?

{ Q3B:

Have you EVER been halibut fishing in Puget Sound?

{ Q4:

In total, on how many days did you personally go fishing for halibut in Puget Sound between \:SEASON START\ and \:SEASON END\?

!IF Q4_R>1

Now I'd like to ask a few questions about each of those X days on which you went fishing for

halibut. I'd like to start with the most recent day you went halibut fishing between \:SEASON START\ and \:SEASON END\?, and work backwards in time. I have a calendar here in front of me so I can help you with the dates.

!IF Q4_R=1

Now I'd like to ask a few questions about the halibut fishing you did on that day. I have a calendar here in front of me so I can help you with the date.}

DAY LOOP STARTS HERE

Please note: we don't limit number of trips based on what the respondent said earlier

'ASK IF FIRST DAY

When did you last go fishing for halibut in Puget Sound?

INTERVIEWER: Record Month Date

'ASK IF NOT FIRST DAY

When did you last go fishing for halibut in Puget Sound before the day we just discussed?

INTERVIEWER: Record Month Date

If respondent doesn't remember date, record month and ask if it was a weekend or weekday.]

{Q5B:

Were you fishing from a private boat, a charter boat, another type of boat or from a shore location on that day?

'MODE LOOP

INTRO:

This next set of questions refers to the halibut fishing you did on that day from a \:MODE\.

{Q5D_B1:

What punch card area or areas were you fishing in on that trip?

'ASK ONLY IF TRIP IN BOAT MODE

{Q5C_B1:

What boat ramp or moorage did you return to on that trip?

'SPECIES LOOP

{Q5E1_B1:

How many, if any, Pacific halibut/Lingcod/ Rockfish did you personally catch on that trip?

' Ask if caught more than 0 Pacific halibut/Lingcod/ Rockfish

{Q5E2_B1:

And how many of those did you keep?

SPECIES LOOP END

MODE LOOP END

'DAY LOOP END

'IF DISCUSSED AT LEAST THE NUMBER OF TRIPS INITIALLY INDICATED IN
QUESTION Q4, TERMINATE

'TRIES TO GET RESPONDENT TO TALK ABOUT REMAINING DAYS; IF NO MORE
DAYS, TERMINATE

You initially indicated that you went halibut fishing in the Puget Sound on X days and we've only
talked about Y days.

Would you like to take a few minutes to discuss the remaining days?

If NO

I just have one final set of questions for you. Could you please tell me how many halibut you
caught and kept in total on the remaining Y days between the date we just discussed and
\:SEASON START\.

Okay. That is all of the questions I have for you today. Thank you for your time.

Attachment G.B
DISPOSITIONS

CALL BACK

101 No answer, hung up
102 Busy
104 Scheduled call back
110 Answering machine
160 Resistant - 1st refusal
112 New number for permittee

DO NOT CALL BACK

002 Hard refusal / 2nd refusal
003 Language barrier
005 Non-working number
006 Business phone
013 Bad sample
014 Definite Spanish
015 Unable to be interviewed
016 No eligible respondent at this no.
017 No eligible resp. during time period
018 Fax machine
019 Not a 2 month Puget Sound fishing HH
021 No number available for permittee

RESIDENCY CLASSIFICATIONS OF RESPONDENT

WA state resident - coastal county
WA state resident - non-coastal county
Non-WA state resident